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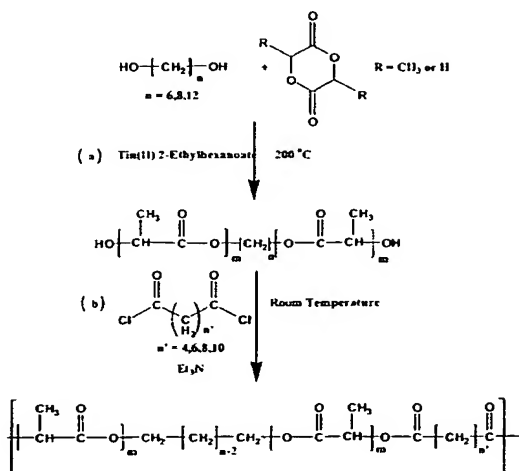
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(54) Title: NOVEL POLYESTERS



(57) Abstract: A polyester including a macromeric unit, wherein the macromeric unit has (a) at least two lactone derived units, (b) an initiating core, and (c) a coupling unit, wherein the initiating core is linking the at least two lactone derived units to form a macromerdiol and wherein the coupling unit and the initiating core have a carbon chain of a length sufficient to alter hydrophobicity of the polyester, and thereby enable the polyester to degrade according to a surface erosion mechanism. The polyesters of the present invention are suitable for a wide range of biomedical applications including drug delivery, imaging, scaffolding for tissue engineering, coating of various surfaces such as for example implantable devices as well as colloids and microparticles. Figure 1 is a reaction scheme depicting the preparation of polyesters of the invention.



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